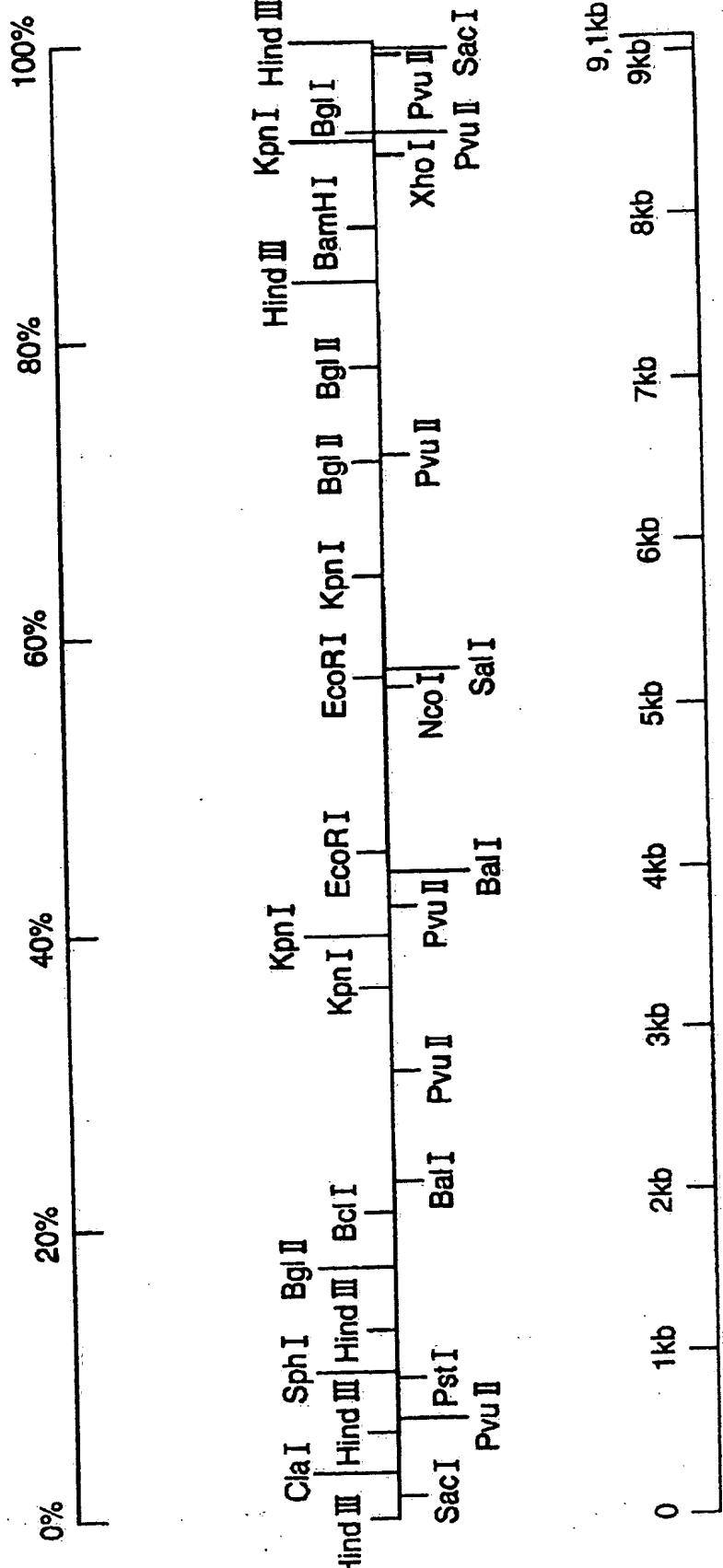


Replacement Sheet

FIG. 1





Replacement Sheet

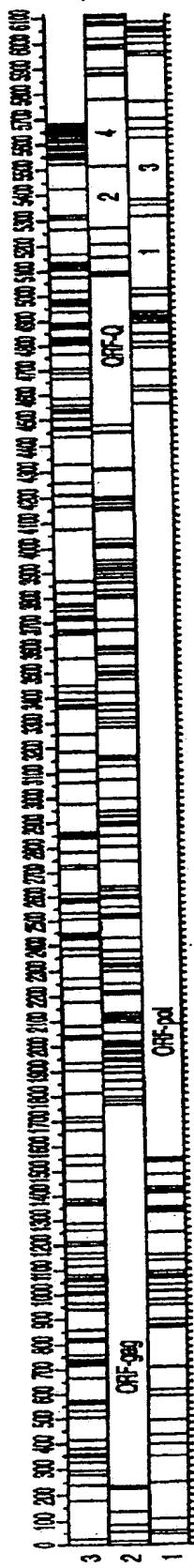


FIG. 2

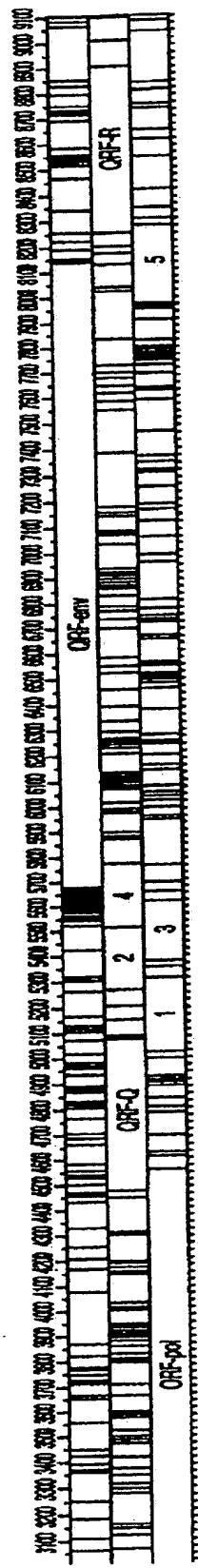


FIG. 3



Replacement Sheet

FIG. 4



Replacement Sheet

K N V * P Y Q H S C H K T R T K R T L * R L C R P V L * N S K S R A S F T G G K
 -ggg K R M V S P T S I L D I R Q G P K E P F R D Y V G R F Y K T L R A E S Q A S Q E V . K
 -ggg E C I A L P A F W T * D K D Q K N P L E T M * T G S I K L * E P S K L H R R . K
 AAGAATTTAGGCTTACAGGATTCAGGATTCAGGACAAAAGAACCTTATAGAGACTATGTAACCGGTTCTATAAAACTTAAGCCGACAAAGTTCACAGGGTAA
 1090 1100 1110 1120 1130 1140 1150 1160 1170 1180 1190 1200
 K L D D R N L V G P K C E P R L * D Y F K S I G T S S Y T R R N D D S M S G S G
 N W * T E T L L V Q N A N P D C K T I L K A L G P A A T L E E M M T A C Q G V G
 I G * Q K P C W S K W R T P I V R J F K H W D Q Q L H * K K * O H V R E W E
 AAATGGGTGACAGAACCTTGTGGTCCAAATGCGAACCCAGTTGAAGACTATTAAAGGATTGGGACCCAGCTTACAGGATCTAGAAGAATGTAACAGGGTGG
 1210 1220 1230 1240 1250 1260 1270 1280 1290 1300 1310 1320
 R T R P * G K S F G * S N E P S N K F S Y H N D A K R Q P * F P K K D C * V F P Q
 G P G H K A R V L A E A N S Q V T N S A T I M E Q R G N F R N Q R K I V K C P N
 yag D P A I K Q E P W L K Q * Q I Q L P * C K E A I L G T K E R L L S V S I
 AGGACCCGGCTATAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGG
 1330 1340 1350 1360 1370 1380 1390 1400 1410 1420 1430 1440 START
 pool L W Q R R A M S Q K L Q G P * E K G L L E M R K G R T P N E R L Y * E T G * F P ORF
 C G K E G H I A R N C R A P R K K G C W R C G K H Q M K D C T E R Q A N F P L * pol
 gag G K D I W P S Y K Q R P G N F L Q S R P E P T A P P E E S F R S G V E T T P S Q
 TGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGG
 1450 1460 1470 1480 1490 1500 1510 1520 1530 1540 1550 1560
 pool R E D L A P F L Q G R A R E P S S E Q T R A N S P T R R E L Q V W G R D N N S L S
 gag G K R S G L P T R E G O D Q S Q P H Q K R A S G C L G * R Q O L P L R
 AGGAGATCTGGCTTCTACAGGCAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGG
 1570 1580 1590 1600 1610 1620 1630 1640 1650 1660 1670 1680
 pool E A G A D R Q G T V S F N P P Q I T L W Q R P L V T I K I G G Q L K E A L L D T
 gag K Q P P I D K F E L Y P L T S I R G L P G N D P S S Q * R K L Y * I L Q
 S R S R * T R N C I L * L P S D H S L A T P R H N K D R G A T K G S S I R Y R
 GAAGGAGAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGG
 1690 1700 1710 1720 1730 1740 1750 1760 1770 1780 1790 1800
 END ORF-pol AND gag PROTEIN ←
 pool G A D D T V V L E E M S L P G K W K P K M I G G I G G P I K V . K Q Y D Q I L I E I S
 gag P Q M I Q Y * K K * S V C Q F D C N Q K * G E I C L B V L S K * D S W I R Y S * R I S
 S R * Y S I K R N E P A R K M E T K N D R G N W R P Y Q S K T V * S D T H R N L
 GGAGGAGAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGG
 1810 1820 1830 1840 1850 1860 1870 1880 1890 1900 1910 1920
 pool C G H K A I G T V V L V G P T P V N I I G A N L I T Q I G C T L N F P I S P I B T
 V D I K L * V Q S Y * D L H L S T I L E I C L * L E I C L * I F P P L V L L K L
 W T T S I K S V D S D W L H P K P S H * S Y * N C
 TGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGGTCCAAAGGCTTGTGG
 1930 1940 1950 1960 1970 1980 1990 2000 2010 2020 2030 2040

5



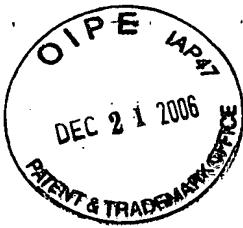
Replacement Sheet

FIG. 6



Replacement Sheet

EIGHT



Replacement Sheet

PHASE 1 ORF-pol A₁ C₂ W₃ W₄ A₅ G₆ I₇ P₈ Y₉ E₁₀ F₁₁ G₁₂ I₁₃ P₁₄ Q₁₅ S₁₆ N₁₇ P₁₈ T₁₉ I₂₀ N₂₁ R₂₂ E₂₃ F₂₄ N₂₅ L₂₆ E₂₇ N₂₈ F₂₉ P₃₀ K₃₁ S₃₂ R₃₃ S₃₄ S₃₅ L₃₆ Q₃₇ S₃₈ P₃₉ K₄₀ S₄₁ R₄₂ I₄₃ N₄₄ Y₄₅ E₄₆ I₄₇ E₄₈ N₄₉ R₅₀ I₅₁ K₅₂ E₅₃ N₅₄ Y₅₅ R₅₆ I₅₇ K₅₈ E₅₉ N₆₀ Y₆₁ R₆₂ P₆₃ G₆₄ K₆₅ R₆₆ S₆₇ R₆₈ I₆₉ T₇₀ S₇₁ R₇₂ S₇₃ S₇₄ T₇₅ N₇₆ G₇₇ S₇₈ I₇₉ H₈₀ P₈₁ Q₈₂ P₈₃ T₈₄ N₈₅ G₈₆ S₈₇ T₈₈ T₈₉ N₉₀ G₉₁ A₉₂ G₉₃ G₉₄ A₉₅ T₉₆ C₉₇ G₉₈ G₉₉ A₁₀₀ G₁₀₁ A₁₀₂ G₁₀₃ G₁₀₄ G₁₀₅ G₁₀₆ G₁₀₇ G₁₀₈ G₁₀₉ G₁₁₀ G₁₁₁ G₁₁₂ G₁₁₃ G₁₁₄ G₁₁₅ G₁₁₆ G₁₁₇ G₁₁₈ G₁₁₉ G₁₂₀ G₁₂₁ G₁₂₂ G₁₂₃ G₁₂₄ G₁₂₅ G₁₂₆ G₁₂₇ G₁₂₈ G₁₂₉ G₁₃₀ G₁₃₁ G₁₃₂ G₁₃₃ G₁₃₄ G₁₃₅ G₁₃₆ G₁₃₇ G₁₃₈ G₁₃₉ G₁₄₀ G₁₄₁ G₁₄₂ G₁₄₃ G₁₄₄ G₁₄₅ G₁₄₆ G₁₄₇ G₁₄₈ G₁₄₉ G₁₅₀ G₁₅₁ G₁₅₂ G₁₅₃ G₁₅₄ G₁₅₅ G₁₅₆ G₁₅₇ G₁₅₈ G₁₅₉ G₁₆₀ G₁₆₁ G₁₆₂ G₁₆₃ G₁₆₄ G₁₆₅ G₁₆₆ G₁₆₇ G₁₆₈ G₁₆₉ G₁₇₀ G₁₇₁ G₁₇₂ G₁₇₃ G₁₇₄ G₁₇₅ G₁₇₆ G₁₇₇ G₁₇₈ G₁₇₉ G₁₈₀ G₁₈₁ G₁₈₂ G₁₈₃ G₁₈₄ G₁₈₅ G₁₈₆ G₁₈₇ G₁₈₈ G₁₈₉ G₁₉₀ G₁₉₁ G₁₉₂ G₁₉₃ G₁₉₄ G₁₉₅ G₁₉₆ G₁₉₇ G₁₉₈ G₁₉₉ G₂₀₀ G₂₀₁ G₂₀₂ G₂₀₃ G₂₀₄ G₂₀₅ G₂₀₆ G₂₀₇ G₂₀₈ G₂₀₉ G₂₁₀ G₂₁₁ G₂₁₂ G₂₁₃ G₂₁₄ G₂₁₅ G₂₁₆ G₂₁₇ G₂₁₈ G₂₁₉ G₂₂₀ G₂₂₁ G₂₂₂ G₂₂₃ G₂₂₄ G₂₂₅ G₂₂₆ G₂₂₇ G₂₂₈ G₂₂₉ G₂₃₀ G₂₃₁ G₂₃₂ G₂₃₃ G₂₃₄ G₂₃₅ G₂₃₆ G₂₃₇ G₂₃₈ G₂₃₉ G₂₄₀ G₂₄₁ G₂₄₂ G₂₄₃ G₂₄₄ G₂₄₅ G₂₄₆ G₂₄₇ G₂₄₈ G₂₄₉ G₂₅₀ G₂₅₁ G₂₅₂ G₂₅₃ G₂₅₄ G₂₅₅ G₂₅₆ G₂₅₇ G₂₅₈ G₂₅₉ G₂₆₀ G₂₆₁ G₂₆₂ G₂₆₃ G₂₆₄ G₂₆₅ G₂₆₆ G₂₆₇ G₂₆₈ G₂₆₉ G₂₇₀ G₂₇₁ G₂₇₂ G₂₇₃ G₂₇₄ G₂₇₅ G₂₇₆ G₂₇₇ G₂₇₈ G₂₇₉ G₂₈₀ G₂₈₁ G₂₈₂ G₂₈₃ G₂₈₄ G₂₈₅ G₂₈₆ G₂₈₇ G₂₈₈ G₂₈₉ G₂₉₀ G₂₉₁ G₂₉₂ G₂₉₃ G₂₉₄ G₂₉₅ G₂₉₆ G₂₉₇ G₂₉₈ G₂₉₉ G₃₀₀ G₃₀₁ G₃₀₂ G₃₀₃ G₃₀₄ G₃₀₅ G₃₀₆ G₃₀₇ G₃₀₈ G₃₀₉ G₃₁₀ G₃₁₁ G₃₁₂ G₃₁₃ G₃₁₄ G₃₁₅ G₃₁₆ G₃₁₇ G₃₁₈ G₃₁₉ G₃₂₀ G₃₂₁ G₃₂₂ G₃₂₃ G₃₂₄ G₃₂₅ G₃₂₆ G₃₂₇ G₃₂₈ G₃₂₉ G₃₃₀ G₃₃₁ G₃₃₂ G₃₃₃ G₃₃₄ G₃₃₅ G₃₃₆ G₃₃₇ G₃₃₈ G₃₃₉ G₃₄₀ G₃₄₁ G₃₄₂ G₃₄₃ G₃₄₄ G₃₄₅ G₃₄₆ G₃₄₇ G₃₄₈ G₃₄₉ G₃₅₀ G₃₅₁ G₃₅₂ G₃₅₃ G₃₅₄ G₃₅₅ G₃₅₆ G₃₅₇ G₃₅₈ G₃₅₉ G₃₆₀ G₃₆₁ G₃₆₂ G₃₆₃ G₃₆₄ G₃₆₅ G₃₆₆ G₃₆₇ G₃₆₈ G₃₆₉ G₃₇₀ G₃₇₁ G₃₇₂ G₃₇₃ G₃₇₄ G₃₇₅ G₃₇₆ G₃₇₇ G₃₇₈ G₃₇₉ G₃₈₀ G₃₈₁ G₃₈₂ G₃₈₃ G₃₈₄ G₃₈₅ G₃₈₆ G₃₈₇ G₃₈₈ G₃₈₉ G₃₉₀ G₃₉₁ G₃₉₂ G₃₉₃ G₃₉₄ G₃₉₅ G₃₉₆ G₃₉₇ G₃₉₈ G₃₉₉ G₄₀₀ G₄₀₁ G₄₀₂ G₄₀₃ G₄₀₄ G₄₀₅ G₄₀₆ G₄₀₇ G₄₀₈ G₄₀₉ G₄₁₀ G₄₁₁ G₄₁₂ G₄₁₃ G₄₁₄ G₄₁₅ G₄₁₆ G₄₁₇ G₄₁₈ G₄₁₉ G₄₂₀ G₄₂₁ G₄₂₂ G₄₂₃ G₄₂₄ G₄₂₅ G₄₂₆ G₄₂₇ G₄₂₈ G₄₂₉ G₄₃₀ G₄₃₁ G₄₃₂ G₄₃₃ G₄₃₄ G₄₃₅ G₄₃₆ G₄₃₇ G₄₃₈ G₄₃₉ G₄₄₀ G₄₄₁ G₄₄₂ G₄₄₃ G₄₄₄ G₄₄₅ G₄₄₆ G₄₄₇ G₄₄₈ G₄₄₉ G₄₅₀ G₄₅₁ G₄₅₂ G₄₅₃ G₄₅₄ G₄₅₅ G₄₅₆ G₄₅₇ G₄₅₈ G₄₅₉ G₄₆₀ G₄₆₁ G₄₆₂ G₄₆₃ G₄₆₄ G₄₆₅ G₄₆₆ G₄₆₇ G₄₆₈ G₄₆₉ G₄₇₀ G₄₇₁ G₄₇₂ G₄₇₃ G₄₇₄ G₄₇₅ G₄₇₆ G₄₇₇ G₄₇₈ G₄₇₉ G₄₈₀ G₄₈₁ G₄₈₂ G₄₈₃ G₄₈₄ G₄₈₅ G₄₈₆ G₄₈₇ G₄₈₈ G₄₈₉ G₄₉₀ G₄₉₁ G₄₉₂ G₄₉₃ G₄₉₄ G₄₉₅ G₄₉₆ G₄₉₇ G₄₉₈ G₄₉₉ G₅₀₀ G₅₀₁ G₅₀₂ G₅₀₃ G₅₀₄ G₅₀₅ G₅₀₆ G₅₀₇ G₅₀₈ G₅₀₉ G₅₁₀ G₅₁₁ G₅₁₂ G₅₁₃ G₅₁₄ G₅₁₅ G₅₁₆ G₅₁₇ G₅₁₈ G₅₁₉ G₅₂₀ G₅₂₁ G₅₂₂ G₅₂₃ G₅₂₄ G₅₂₅ G₅₂₆ G₅₂₇ G₅₂₈ G₅₂₉ G₅₃₀ G₅₃₁ G₅₃₂ G₅₃₃ G₅₃₄ G₅₃₅ G₅₃₆ G₅₃₇ G₅₃₈ G₅₃₉ G₅₄₀ G₅₄₁ G₅₄₂ G₅₄₃ G₅₄₄ G₅₄₅ G₅₄₆ G₅₄₇ G₅₄₈ G₅₄₉ G₅₅₀ G₅₅₁ G₅₅₂ G₅₅₃ G₅₅₄ G₅₅₅ G₅₅₆ G₅₅₇ G₅₅₈ G₅₅₉ G₅₆₀ G₅₆₁ G₅₆₂ G₅₆₃ G₅₆₄ G₅₆₅ G₅₆₆ G₅₆₇ G₅₆₈ G₅₆₉ G₅₇₀ G₅₇₁ G₅₇₂ G₅₇₃ G₅₇₄ G₅₇₅ G₅₇₆ G₅₇₇ G₅₇₈ G₅₇₉ G₅₈₀ G₅₈₁ G₅₈₂ G₅₈₃ G₅₈₄ G₅₈₅ G₅₈₆ G₅₈₇ G₅₈₈ G₅₈₉ G₅₉₀ G₅₉₁ G₅₉₂ G₅₉₃ G₅₉₄ G₅₉₅ G₅₉₆ G₅₉₇ G₅₉₈ G₅₉₉ G₆₀₀ G₆₀₁ G₆₀₂ G₆₀₃ G₆₀₄ G₆₀₅ G₆₀₆ G₆₀₇ G₆₀₈ G₆₀₉ G₆₁₀ G₆₁₁ G₆₁₂ G₆₁₃ G₆₁₄ G₆₁₅ G₆₁₆ G₆₁₇ G₆₁₈ G₆₁₉ G₆₂₀ G₆₂₁ G₆₂₂ G₆₂₃ G₆₂₄ G₆₂₅ G₆₂₆ G₆₂₇ G₆₂₈ G₆₂₉ G₆₃₀ G₆₃₁ G₆₃₂ G₆₃₃ G₆₃₄ G₆₃₅ G₆₃₆ G₆₃₇ G₆₃₈ G₆₃₉ G₆₄₀ G₆₄₁ G₆₄₂ G₆₄₃ G₆₄₄ G₆₄₅ G₆₄₆ G₆₄₇ G₆₄₈ G₆₄₉ G₆₅₀ G₆₅₁ G₆₅₂ G₆₅₃ G₆₅₄ G₆₅₅ G₆₅₆ G₆₅₇ G₆₅₈ G₆₅₉ G₆₆₀ G₆₆₁ G₆₆₂ G₆₆₃ G₆₆₄ G₆₆₅ G₆₆₆ G₆₆₇ G₆₆₈ G₆₆₉ G₆₇₀ G₆₇₁ G₆₇₂ G₆₇₃ G₆₇₄ G₆₇₅ G₆₇₆ G₆₇₇ G₆₇₈ G₆₇₉ G₆₈₀ G₆₈₁ G₆₈₂ G₆₈₃ G₆₈₄ G₆₈₅ G₆₈₆ G₆₈₇ G₆₈₈ G₆₈₉ G₆₉₀ G₆₉₁ G₆₉₂ G₆₉₃ G₆₉₄ G₆₉₅ G₆₉₆ G₆₉₇ G₆₉₈ G₆₉₉ G₇₀₀ G₇₀₁ G₇₀₂ G₇₀₃ G₇₀₄ G₇₀₅ G₇₀₆ G₇₀₇ G₇₀₈ G₇₀₉ G₇₁₀ G₇₁₁ G₇₁₂ G₇₁₃ G₇₁₄ G₇₁₅ G₇₁₆ G₇₁₇ G₇₁₈ G₇₁₉ G₇₂₀ G₇₂₁ G₇₂₂ G₇₂₃ G₇₂₄ G₇₂₅ G₇₂₆ G₇₂₇ G₇₂₈ G₇₂₉ G₇₃₀ G₇₃₁ G₇₃₂ G₇₃₃ G₇₃₄ G₇₃₅ G₇₃₆ G₇₃₇ G₇₃₈ G₇₃₉ G₇₄₀ G₇₄₁ G₇₄₂ G₇₄₃ G₇₄₄ G₇₄₅ G₇₄₆ G₇₄₇ G₇₄₈ G₇₄₉ G₇₅₀ G₇₅₁ G₇₅₂ G₇₅₃ G₇₅₄ G₇₅₅ G₇₅₆ G₇₅₇ G₇₅₈ G₇₅₉ G₇₆₀ G₇₆₁ G₇₆₂ G₇₆₃ G₇₆₄ G₇₆₅ G₇₆₆ G₇₆₇ G₇₆₈ G₇₆₉ G₇₇₀ G₇₇₁ G₇₇₂ G₇₇₃ G₇₇₄ G₇₇₅ G₇₇₆ G₇₇₇ G₇₇₈ G₇₇₉ G₇₈₀ G₇₈₁ G₇₈₂ G₇₈₃ G₇₈₄ G₇₈₅ G₇₈₆ G₇₈₇ G₇₈₈ G₇₈₉ G₇₉₀ G₇₉₁ G₇₉₂ G₇₉₃ G₇₉₄ G₇₉₅ G₇₉₆ G₇₉₇ G₇₉₈ G₇₉₉ G₈₀₀ G₈₀₁ G₈₀₂ G₈₀₃ G₈₀₄ G₈₀₅ G₈₀₆ G₈₀₇ G₈₀₈ G₈₀₉ G₈₁₀ G₈₁₁ G₈₁₂ G₈₁₃ G₈₁₄ G₈₁₅ G₈₁₆ G₈₁₇ G₈₁₈ G₈₁₉ G₈₂₀ G₈₂₁ G₈₂₂ G₈₂₃ G₈₂₄ G₈₂₅ G₈₂₆ G₈₂₇ G₈₂₈ G₈₂₉ G₈₃₀ G₈₃₁ G₈₃₂ G₈₃₃ G₈₃₄ G₈₃₅ G₈₃₆ G₈₃₇ G₈₃₈ G₈₃₉ G₈₄₀ G₈₄₁ G₈₄₂ G₈₄₃ G₈₄₄ G₈₄₅ G₈₄₆ G₈₄₇ G₈₄₈ G₈₄₉ G₈₅₀ G₈₅₁ G₈₅₂ G₈₅₃ G₈₅₄ G₈₅₅ G₈₅₆ G₈₅₇ G₈₅₈ G₈₅₉ G₈₆₀ G₈₆₁ G₈₆₂ G₈₆₃ G₈₆₄ G₈₆₅ G₈₆₆ G₈₆₇ G₈₆₈ G₈₆₉ G₈₇₀ G₈₇₁ G₈₇₂ G₈₇₃ G₈₇₄ G₈₇₅ G₈₇₆ G₈₇₇ G₈₇₈ G₈₇₉ G₈₈₀ G₈₈₁ G₈₈₂ G₈₈₃ G₈₈₄ G₈₈₅ G₈₈₆ G₈₈₇ G₈₈₈ G₈₈₉ G₈₉₀ G₈₉₁ G₈₉₂ G₈₉₃ G₈₉₄ G₈₉₅ G₈₉₆ G₈₉₇ G₈₉₈ G₈₉₉ G₉₀₀ G₉₀₁ G₉₀₂ G₉₀₃ G₉₀₄ G₉₀₅ G₉₀₆ G₉₀₇ G₉₀₈ G₉₀₉ G₉₁₀ G₉₁₁ G₉₁₂ G₉₁₃ G₉₁₄ G₉₁₅ G₉₁₆ G₉₁₇ G₉₁₈ G₉₁₉ G₉₂₀ G₉₂₁ G₉₂₂ G₉₂₃ G₉₂₄ G₉₂₅ G₉₂₆ G₉₂₇ G₉₂₈ G₉₂₉ G₉₃₀ G₉₃₁ G₉₃₂ G₉₃₃ G₉₃₄ G₉₃₅ G₉₃₆ G₉₃₇ G₉₃₈ G₉₃₉ G₉₄₀ G₉₄₁ G₉₄₂ G₉₄₃ G₉₄₄ G₉₄₅ G₉₄₆ G₉₄₇ G₉₄₈ G₉₄₉ G₉₅₀ G₉₅₁ G₉₅₂ G₉₅₃ G₉₅₄ G₉₅₅ G₉₅₆ G₉₅₇ G₉₅₈ G₉₅₉ G₉₆₀ G₉₆₁ G₉₆₂ G₉₆₃ G₉₆₄ G₉₆₅ G₉₆₆ G₉₆₇ G₉₆₈ G₉₆₉ G₉₇₀ G₉₇₁ G₉₇₂ G₉₇₃ G₉₇₄ G₉₇₅ G₉₇₆ G₉₇₇ G₉₇₈ G₉₇₉ G₉₈₀ G₉₈₁ G₉₈₂ G₉₈₃ G₉₈₄ G₉₈₅ G₉₈₆ G₉₈₇ G₉₈₈ G₉₈₉ G₉₉₀ G₉₉₁ G₉₉₂ G₉₉₃ G₉₉₄ G₉₉₅ G₉₉₆ G₉₉₇ G₉₉₈ G₉₉₉ G₁₀₀₀ G₁₀₀₁ G₁₀₀₂ G₁₀₀₃ G₁₀₀₄ G₁₀₀₅ G₁₀₀₆ G₁₀₀₇ G₁₀₀₈ G₁₀₀₉ G₁₀₀₁₀ G₁₀₀₁₁ G₁₀₀₁₂ G₁₀₀₁₃ G₁₀₀₁₄ G₁₀₀₁₅ G₁₀₀₁₆ G₁₀₀₁₇ G₁₀₀₁₈ G₁₀₀₁₉ G₁₀₀₂₀ G₁₀₀₂₁ G₁₀₀₂₂ G₁₀₀₂₃ G₁₀₀₂₄ G₁₀₀₂₅ G₁₀₀₂₆ G₁₀₀₂₇ G₁₀₀₂₈ G₁₀₀₂₉ G₁₀₀₃₀ G₁₀₀₃₁ G₁₀₀₃₂ G₁₀₀₃₃ G₁₀₀₃₄ G₁₀₀₃₅ G₁₀₀₃₆ G₁₀₀₃₇ G₁₀₀₃₈ G₁₀₀₃₉ G₁₀₀₄₀ G₁₀₀₄₁ G₁₀₀₄₂ G₁₀₀₄₃ G₁₀₀₄₄ G₁₀₀₄₅ G₁₀₀₄₆ G₁₀₀₄₇ G₁₀₀₄₈ G₁₀₀₄₉ G₁₀₀₅₀ G₁₀₀₅₁ G₁₀₀₅₂ G₁₀₀₅₃ G₁₀₀₅₄ G₁₀₀₅₅ G₁₀₀₅₆ G₁₀₀₅₇ G₁₀₀₅₈ G₁₀₀₅₉ G₁₀₀₆₀ G₁₀₀₆₁ G₁₀₀₆₂ G₁₀₀₆₃ G₁₀₀₆₄ G₁₀₀₆₅ G₁₀₀₆₆ G₁₀₀₆₇ G₁₀₀₆₈ G₁₀₀₆₉ G₁₀₀₇₀ G₁₀₀₇₁ G₁₀₀₇₂ G₁₀₀₇₃ G₁₀₀₇₄ G₁₀₀₇₅ G₁₀₀₇₆ G₁₀₀₇₇ G₁₀₀₇₈ G₁₀₀₇₉ G₁₀₀₈₀ G₁₀₀₈₁ G₁₀₀₈₂ G₁₀₀₈₃ G₁₀₀₈₄ G₁₀₀₈₅ G₁₀₀₈₆ G₁₀₀₈₇ G₁₀₀₈₈ G₁₀₀₈₉ G₁₀₀₉₀ G₁₀₀₉₁ G₁₀₀₉₂ G₁₀₀₉₃ G₁₀₀₉₄ G₁₀₀₉₅ G₁₀₀₉₆ G₁₀₀₉₇ G₁₀₀₉₈ G₁₀₀₉₉ G₁₀₀₁₀₀ G₁₀₀₁₀₁ G₁₀₀₁₀₂ G₁₀₀₁₀₃ G₁₀₀₁₀₄ G₁₀₀₁₀₅ G₁₀₀₁₀₆ G₁₀₀₁₀₇ G₁₀₀₁₀₈ G₁₀₀₁₀₉ G₁₀₀₁₁₀ G₁₀₀₁₁



Replacement Sheet

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Replacement Sheet

FIG. 10



Replacement Sheet

FIG. 11



DEC 21 2006

Replacement Sheet

FIG. 12

DEC 21 2006

PATENT & TRADEMARK OFFICE

Replacement Sheet

N R G E Q E M E P V D P R L E P W K H P G S Q P K
 T F E S K K W S Q * I L D * S P G S I Q E V S L
 CAACAGAGGAGAGCAAGAAAATGGAGCCAGTAGATCTAGACTAGAGCCCTGGAAGGCATCCAGGAAGTCAGCCTAA
 5290 5300 5310 5320 5330 5340 5350

 P S L F H N K S L R H L L W Q E E A E T A T K T S
 Q V C F T T K A L G I S Y G R K K R R Q R R R P P
 K F V S Q Q K P * A S P M A G R S G D S D E D L L
 CCAAGTTGTTCAACAACAAAGCCTAGGCATCTCTATGGCAGGAAGAAGCGGAGACAGCAGCAAGACCTCCT
 5410 5420 5430 5440 5450 5460 5470

 S T C N A T Y T N S N S S I S S S S N N N S N S C V
 V H V M Q P I Q I A I A A L V V A I I I A I V V W
 Y M * C N L Y K * Q * Q H * * * Q * * * Q * L C C
 AGTACATGTAATGCAACCTACAAATAGCAATAGCAGCATTAGTAGTACCAATAATAATAGCAATAGTTGTGTGG
 5530 5540 5550 5560 5570 5580 5590

 N R Q V N * * T N R K S R R Q W Q * E * R R N I S
 I D R L I D R L I E R A E D S G N E S E G E I S A
 * T G * L I D * * K E Q K T V A M R V K E K Y Q H
 AATAGACAGGTTAATTGATAGACTAATAGAAAGAGCAGAAGACAGTGGCAATGAGAGTGAAGGAGAAATATCAGCA
 5650 5660 5670 5680 5690 5700 5710

 Y * * S V V L Q K N C G S Q S I M G Y L C G R K Q
 I D D L * C Y R K I V G H S L L W G T C V E G S N
 L M I C S A T B K L W V T V Y Y G V P V W K E A T
 TATTGATGATCTGTAGTGCTACAGAAAATTGTGGTCACAGTCTATTATGGGTACCTGTGTGGAAGGAAGCCAAC
 5770 5780 5790 5800 5810 5820 5830

 R Y I M F G P H M P V Y P Q T P T H K K * Y W * M
 G T * C L G H T C L C T H R P Q P T R S S I G K C
 V H N V W A T H A C V P T D P N P Q E V V L V N V
 AGGTACATAATGTTGGGCCACACATGCCGTGTACCCACAGACCCCCAACAAAGAAGTAGTATTGGTAAATGT
 5890 5900 5910 5920 5930 5940 5950

 C M R I * S V Y G I K A * S H V * N * P H S V L V
 A * G Y N Q F M G S K P K A M C K I N P T L C * F
 H E D I I S L W D Q S L K P C V K L T P L C V S L
 TGCATGAGGATATAATCAGTTATGGATCAAAGCTAAAGCCATGTCTAAATTAAACCCACTCTGTGTAGTT
 6010 6020 6030 6040 6050 6060 6070

 I P I V V A G K * * W R K E R * K T A L S I S A Q
 Y Q * * R G N D D G E R R D K K L L F Q Y Q H K
 T N S S S G E M M M E K G E I K N C S F N I S T S
 ATACCAATAGTAGTGTAGCGGGGAAATGATGATGGAGAAAGGAGAGATAAAAATGCTCTTCAATATCAGCACAAAG
 6130 6140 6150 6160 6170 6180 6190

 L I * Y Q * I M I L P A I R * Q V V T P Q S L H R
 * Y N T N R * * Y Y Q L Y V D K L * H L S H Y T G
 D I I P I D N D T T S Y T L T S C N T S I V I T Q A
 TTGATATAATACCAATAGATAATGATACTACCGCTATACGTTACAGTCATTACACAGGG
 6250 6260 6270 6280 6290 6300 6310

 P R L V L R P * N V I I R R S M E Q D H V Q M S A

FIG. 13



Replacement Sheet

P G S Q P K T A C I T C Y C K K C C C F H C
 Q E V S L K L L V P L A I V K S V A F I A
 CAGGAAGTCAGCCTAAAAGTGTGCTTGTACCACTTGTCTATTGTAAAAAGTGTGCTTCATTG
 5350 5360 5370 5380 5390 5400

A T K T S S R Q S D S S S F S I K A V S
 Q R R R P P Q G S Q T H Q V S L S K Q * V
 S D E D L L K A V R L I K F L Y Q S S K
 AGCGACGAAGACCTCCTCAAGGCAGTCAGACTCATCAAGTTCTATCAAAGCAGTAAGT
 5470 5480 5490 5500 5510 5520

S N S C V V H S N H R I * E N I K T K K
 I A I V V W S I V I I E Y R K I L R Q R K
 * Q * L C G P * * S * N I G K Y * D K E K
 TAGCAATAGTTGTGTGGTCCATAGTAATCATAGAATATAGGAAAATATTAAGACAAAGAAA
 5590 5600 5610 5620 5630 5640

R R N I S T C G D G G G N G A P C S L G
 G E I S A L V E M G V E M G H H A P W D
 K E K Y Q H L W R W G W K W G T M L L G I
 AAGGAGAAATATCAGCACTTGTGGAGATGGGGTGGAAATGGGGCACCATGCTCCTGGGA
 5710 5720 5730 5740 5750 5760

C G P K Q P P L Y F V H Q M L K H M I Q
 V E G S N H H S I L C I R C * S I * Y R
 V W K E A T T T L F C A S D A K A Y D T E
 TGTGGAAGGAAGCAACCACCTCTATTTGTGCATCAGATGCTAAAGCATATGATACAG
 5830 5840 5850 5860 5870 5880

* Y W * M * Q K I L T C G K M T W * N R
 S I G K C D R K F * H V E K * H G R T D
 V V L V N V T E N F N M W K N D M V E Q M
 TAGTATTGGTAAATGTGACAGAAAATTAAACATGTGGAAAATGACATGGTAGAACAGA
 5950 5960 5970 5980 5990 6000

H S V L V * S A L I W G M L L I P I V V
 T L C * F K V H * F G E C Y * Y Q * * *
 P L C V S L K C T D L G N A T N T N S S N
 CACTCTGTGTTAGTTAAAGTGCAC TGATTGGGAATGCTACTAACCAATAGTAGTA
 6070 6080 6090 6100 6110 6120

S I S A Q A * E V R C R K N M H F F I N
 Q Y O H K H K R * G A E R I C I F L * T
 F N I S T S I R G K V Q K E Y A F F Y K L
 TCAATATCAGCACAGCATAAGAGGTAAGGTGCAGAAAGAATATGCATTAAAAAC
 6190 6200 6210 6220 6230 6240

Q S L H R P V Q R Y P L S Q F P Y I I V
 S H Y T G L S K G I L * A N S H T L L C
 S V I T Q A C P K V S F E P I P I H Y C A
 CAGTCATTACACAGGCCTGTCAAAGGTATCCTTGAGCCAATTCCCACATTATTGTG
 6310 6320 6330 6340 6350 6360

V Q M S A Q Y N V H M E L G Q * Y Q L N

FIG. 14



Replacement Sheet

P C W F C D S K M * * * D V Q W N R T M Y K C O
 P A G F A I L R C N N K T F N G T G P C T N V S
 CCCC GG CTGG TTTG CG ATTCT AAAA TGT AATAAG AC GTT CAAT GG AAC AGG ACC AT GT AC AA AT GT C AGC
 6370 6380 6390 6400 6410 6420 6430

 C C * M A V * Q K K R * * L D L P I S Q T M L K P
 A V E W O S S R R R G S N * I C O F H R Q C * N H
 L L N G S L A E E E V V I R S A N F T D N A K T
 TG CT GT GA AT GG CAG T CT AG CAG A AGA AGG T AG TA AT TAG AT CT GG CA AT TT CAC AG A CA AT GT C TAA ACCA
 6490 6500 6510 6520 6530 6540 6550

 P T T I Q E K V S V S R G D Q G E H L L Q * E K *
 Q Q O Y K K K Y P Y P E G T R E S I C Y N R K N R
 N N N T R K S I R I Q R G P G R A F V T I G K I
 CCA ACA ACA AT ACA AGA AAA AGT AT CC GT AT CC AG AGG G ACC AGG G AGC ATT GT T ACA AT AGG AAAA TAG
 6610 6620 6630 6640 6650 6660 6670

 M P L * N R * L A N * E N N L E I I K Q * S L S N
 C H F K T D S * Q I K R T I W K * * N N N L * A I
 A T L K Q I A S K L R E Q P G N N K I I I F K Q
 AT GG CA CT TT AAA AC AGA TAG CT AG CAA AT TA AG AGA ACA AT TT GG AA ATA AT AAA ACA AT TA AT CT TT AG CAA
 6730 6740 6750 6760 6770 6780 6790

 E G N F S T V I Q H N C L I V L G L I V L G V L K
 R G I F L L * F N T T V * * Y L V * * Y L E Y * R
 G E F F Y C N S T Q L F N S T W F N S T W S T E
 GAGGGAAATT TT ACT GT AAT CAA CACA ACT GT TTA AT AG TACT TT GG ACT TGT GAGT ACT GAAG
 6850 6860 6870 6880 6890 6900 6910

 E * N N L * T C G R K * E K Q C M P L P S A D K L
 N K T I Y K H V A G S R K S N V C P S H Q R T N *
 I K Q F I N M W Q E V G K A M Y A P P I S G Q I
 GAATAAAACAATTATAAACATGTGGCAGGAAGTAGGAAAAGCAATGTATGCCCTCCATCAGCGGACAAATT
 6970 6980 6990 7000 7010 7020 7030

 V I T T M G P R S S D L E E E I * G T I G E V N Y
 * * Q O W V R D L Q T W R R R Y E G Q L E K * I I
 N N N N G S E I F R P G G D M R D N W R S E L
 GTAATAACAACAATGGGTCCGAGATCTCAGACCTGGAGGAGATATGAGGGACAATTGGAGAAGTGAATTAT
 7090 7100 7110 7120 7130 7140 7150

 P R Q R E E W C R E K K E Q W E * E L C S L G S W
 Q G K E K S G A E R K K S S G N R S F V P W V L G
 K A K R R V V Q R E K R A V G I G A L F L G F L
 CCAAGGCAAAGAGAAGAGTGGTGCAGAGAGAAAAAGAGCAGTGGGAATAGGAGCCTTGTCTGGTTCTTGG
 7210 7220 7230 7240 7250 7260 7270

 Y R P D N Y C L V * C S S R T I C * G L L R R N S
 T G Q T I I V W Y S A A A E Q F A E G Y * G A T A
 Q A R Q L L S G I V Q Q Q N N L L R A I E A Q Q
 TACAGGCCAGACAATTATTGTCTGGTATAGTGCAGCAGCAGACAATTGCTGAGGGCTATTGAGGCAGCACAGC
 7330 7340 7350 7360 7370 7380 7390

 E S W L W K D T * R I N S S W G F G V A L E N S F

FIG.15



Replacement Sheet

N R T M Y K C O H S T M Y T W N * N S S I N S T
 T G P C T N V S T V Q C T H G I R P V V S T Q L
 AACAGGACCATGTACAAATGTCAGCACAGTACAATGTACACATGGAATTAGGCCAGTAGTATCAACTCAAC
 6420 6430 6440 6450 6460 6470 6480

 P I S Q T M L K P * * Y S * T N L * K L I V Q D
 Q F H R Q C * N H N S T A E P I C R N * L Y K T
 N F T D N A K T I I V Q L N O S V E I N C T R P
 CAATTTCACAGACAATGCTAAAACCATAATAGTACAGCTGAACCAATCTGTAGAAATTAAATTGTACAAGAC
 6540 6550 6560 6570 6580 6590 6600

 F H L L Q * E K * E I * D K H I V T L V E Q N G
 S I C Y N R K N R K Y E T S T K * H * * S K M E
 A F V T I G K I G N M R Q A H C N I S R A K W N
 AGCATTGTTACAATAGGAAAAATAGGAAATATGAGACAAGCACATTGTAACATTAGTAGAGCAAAATGGA
 6660 6670 6680 6690 6700 6710 6720

 I I K Q * S L S N P Q E G T Q K L * R T V L I V
 * * N N N L * A I L R R G P R N C N A Q F * L W
 N K I I I F K Q S S G G D P E I V T H S F N C G
 TAATAAAACAATAATCTTAAGCAATCCTCAGGAGGGACCCAGAAATTGTAACGACAGTTAATTGTG
 6780 6790 6800 6810 6820 6830 6840

 C L I V L G V L K G Q I T L K E V T Q S H S H A
 V * * Y L E Y * R V K * H * R K * H N H T P M Q
 P N S T W S T E G S N N T E G S D T I T L P C R
 TTTTAATAGTACTGGAGTACTGAAGGGTCAAATAACACTGAAGGAAGTGACACAATCACACTCCATGCA
 6900 6910 6920 6930 6940 6950 6960

 M P L P S A D K L D V H Q I L Q G C Y * Q E M V
 C P S H Q R T N * M F I K Y Y R A A I N K R W W
 A P P I S G Q I R C S S N I T G L L L T R D G G
 TGCCCTCCCCATCAGCGGACAAATTAGATGTCATCAAATATTACAGGGCTGCTATTAACAAGAGATGGTG
 7020 7030 7040 7050 7060 7070 7080

 * G T I G E V N Y I N I K * * K L N H * E * H P
 E G Q L E K * I I * I * S S K N * T I R S S T H
 R D N W R S E L Y K Y K V V K I E P L G V A P T
 GAGGGACAATTGGAGAAGTGAATTATATAAATATAAAGTAGTAAAAATTGAACCATTAGGAGTAGCACCCA
 7140 7150 7160 7170 7180 7190 7200

 * E L C S L G S W E Q Q E A L W A H G Q * R * R
 R S F V P W V L G S S R K H Y G R T V N D A D G
 G A L F L G F L G A A G S T M G A R S M T L T
 AGGAGCTTGTCCCTGGGTTCTGGGAGCAGCAGGAAGCACTATGGCGCACGGTCAATGACGCTGACGG
 7260 7270 7280 7290 7300 7310 7320

 C * G L L R R N S I C C N S Q S G A S S S S R Q
 A E G Y * G A T A S V A T H S L G H Q A A P G K
 L R A I E A Q O H L L Q L T V W G I K Q L Q A R
 GCTGAGGGCTATTGAGGCGAACAGCATCTGTCACAGTCTGGGCATCAAGCAGCTCCAGGCAA
 7380 7390 7400 7410 7420 7430 7440

 G V A L E N S F A P L L C L G M L V G V I N L

FIG. 16



Replacement Sheet

N P G C G K I P K G S T A P G D L G L L W K T H
 I L A V E R Y L K D Q Q L L G I W G C S G K L I
 GAATCCTGGCTGTGGAAAGATAACCTAAAGGATCAACAGCTCCTGGGATTGGGTTGCTCTGGAAAACATCATI
 7450 7460 7470 7480 7490 7500 7510
 W N R F G I T * P G W S G T E K L T I T Q A * Y I
 G T D L E * H D L D G V G Q R N * Q L H K L N T
 E Q I W N N M T W M E W D R E I N N Y T S L I H
 TGGAACAGATTGGAATAACATGACCTGGATGGAGTGGACAGAGAAATTAAACAATTACACAAGCTTAATACAT
 7570 7580 7590 7600 7610 7620 7630
 N Y W N * I N G Q V C S I G L T * Q I G C G I * K
 I I G I R * M G K F V E L V * H N K L A V V Y K
 L L E L D K W A S L W N W F N I T N W L W Y I K
 AATTATTGGAATTAGATAAAATGGCAAGTTGTGGATTGGTTAACATAACAAATTGGCTGTGGTATATAAAA
 7690 7700 7710 7720 7730 7740 7750
 L L Y F L * * I E L G R D I H H Y R F R P T S Q P
 C C T F Y S E * S * A G I F T I I V S D P P P P N
 A V L S I V N R V R Q G Y S P L S F Q T H L P T
 TTGCTGTACTTCTATAGTAGAGATTAGGCAGGGATATTCAACCATTATCGTTCAAGACCCACCTCCCAACC
 7810 7820 7830 7840 7850 7860 7870
 R E T E T D P F D * * T D P * H L S G T I C G A L
 E R Q R Q I H S I S E R I L S T Y L G R S A E P
 R D R D R S I R L V N G S L A L I W D D L R S L
 AGAGAGACAGAGACAGATCATTCGATTAGTAGAACGGATCCTTAGCACTTATCTGGGACCGATCTGCCAGCCT
 7930 7940 7950 7960 7970 7980 7990
 T R I V E L L G R R G W E A L K Y W W N L L Q Y W
 R G L W N F W D A G G G K P S N I G G I S Y S I
 E D C G T S G T Q G V G S P Q I L V E S P T V L
 ACGAGGATTGTGGAACCTCTGGACGCAGGGGTGGAAAGCCCTAAATATTGGTGGATCTCCTACAGTATTC
 8050 8060 8070 8080 8090 8100 8110
 A I A V A E G T D R V I E V V Q G A C R A I R H I
 P * Q * L R G Q I G L * K * Y K E L V E L F A T
 H S S S * G D R * G Y R S S T R S L * S Y S P H
 GCCATAGCAGTAGCTGAGGGACAGATAGGGTTATAGAAGTAGTACAAGGAGCTGTAGAGCTATTGCCACAT
 8170 8180 8190 8200 8210 8220 8230
 G W Q V V K K * C G W M A Y C K G K N E T S * A S
 G G K W S K S S V V G W P T V R E R M R R A E P
 V A S G Q K V V W L D G L L * G K E * D E L S Q
 GGGTGGCAAGTGGTCAAAAGTAGTAGTGTGGATGGCTACTGTAAGGGAAAGAATGAGACGAGCTGAGCCAG
 8290 8300 8310 8320 8330 8340 8350
 S N H K * Q Y S S Y Q C C L C L A R S T R G G G G
 A I T S S N T A A T N A A C A W L F A Q E E E E
 Q S Q V A I Q Q L P M L L V P G * K H K R R R R
 AGCAATCACAAAGTAGCAATAACAGCAGCTACCAATGCTGCTTGTGCTAGAAGCACAAGAGGAGGAGGAGG
 8410 8420 8430 8440 8450 8460 8470
 D G S C R S * P L F K R K G G T G R A N S L P I K

FIG. 17



Replacement Sheet

W K T H L H H C C A L E C * L E * * I S
 G K L I C T T A V P W N A S W S N K S I L
 CTGGAAAACCTCATTGCACCACTGCTGCTGGAAATGCTAGTTGGAGTAATAAATCTC
 7510 7520 7530 7540 7550 7560

 Q A * Y I P * L K N R K T S K K R M N K
 K L N T F L N * R I A K P A R K E * T R
 S L I H S L I E E S Q N Q Q E K N E Q E
 CAAGCTTAATACATCCTTAATTGAAGAATCGCAAAACCAGCAAGAAAAGAATGAACAAG
 7630 7640 7650 7660 7670 7680

 C G I * K Y S * * * E A W * V * E * F
 V V Y K N I H N D S R R L G R F K N S F
 W Y I K I F I M I V G G L V G L R I V F
 TGTGGTATATAAAATATTCTATAATGATACTAGGAGGCTGGTAGGTTAAGAATAGTT
 7750 7760 7770 7780 7790 7800

 P T S Q P R G D P T G P K E * K K K V E
 P P P N P E G T R Q A R R N R R R R W R
 H L P T P R G P D R P E G I E E E G G E
 CCACCTCCCAACCCCCGAGGGGACCCGACAGGCCGAAGGAATAGAAGAAGAAGGTGGAG
 7870 7880 7890 7900 7910 7920

 I C G A L C L F S Y H R L R D L L L I V
 S A E P C A S S A T T A * E T Y S * L *
 L R S L V P L Q L P P L E R L T L D C N
 TCTGCGGAGCCTTGTGCTCTTCAGCTACCACCGCTTGAGAGACTTACTCTGATTGTA
 7990 8000 8010 8020 8030 8040

 L L Q Y W S Q E L K N S A V S L L N A T
 S Y S I G V R N * R I V L L A C S M P Q
 P T V L E S G T K E * C C * L A Q C H S
 TCCTACAGTATTGGAGTCAGGAACATAAGAATAGTGCTGTTAGCTGCTCAATGCCACA
 8110 8120 8130 8140 8150 8160

 A I R H I P R R I R Q G L E R I L L * D
 L F A T Y L E E * D R A W K G F C Y K M
 Y S P H T * K N K T G L G K D F A I R W
 CTATTGCCACATACCTAGAAGAATAAGACAGGGCTGGAAAGGATTGCTATAAGAT
 8230 8240 8250 8260 8270 8280

 T S * A S S R W G G S S I S R P G K T W
 R A E P A A D G V G A A S R D L E K H G
 E L S Q Q Q M G W E Q H L E T W K N M E
 CGAGCTGCCAGCAGCAGATGGGGTGGGAGCAGCATCTGAGACCTGGAAAAACATGG
 8350 8360 8370 8380 8390 8400

 Q G G G G G F S S H T S G T F K T N D L
 E E E E V G F P V T P Q V P L R P M T Y
 R R R R W V F Q S H L R Y L * D Q * L T
 GAGGAGGAGGAGGTGGTTCCAGTCACACCTCAGGTACCTTAAGACCAATGACTTA
 8470 8480 8490 8500 8510 8520

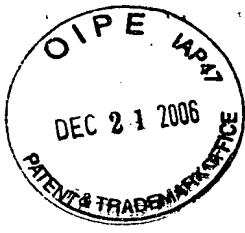
 L P T K T R Y P * S V D L P H T R L L



Replacement Sheet

10	20	30	40	50	60
AAGCTTGCTC	TGAGTGCTTC	AAGTAGTGTG	TGCCCGTCTG	TTGTGTGACT	CTGGTAACTA
70	80	90	100	110	120
GAGATCCCTC	AGACCCCTTT	AGTCAGTGTG	GAAAATCTCT	AGCAGTGGCG	CCCGAACAGG
130	140	150	160	170	180
GACTTGAAAG	CGAAAGGGAA	ACCAGAGGAG	CTCTCTCGAC	GCAGGACTCG	GCTTGCTGAA
190	200	210	220	230	240
GCGCGCACCG	CAAGAGGCCA	GGGGAGGCCA	CTGGTGAGTA	CGCCAAAAAT	TTTGACTAGC
250	260	270	280	290	300
GGAGGCTAGA	AGGAGAGAGA	TGGGTGCGAG	AGCGTCAGTA	TTAAGCGGGG	GAGAATTAGA
310	320	330	340	350	360
TCGATCGGAA	AAAATTGGT	TAAGGCCAGG	GGCAAAGAAA	AAATATAAAAT	AAAAACATAT
370	380	390	400	410	420
AGTATGGCA	AGCAGGGAGC	TAGAACGATT	CGCTGTTAAT	CCTGGCCTGT	TAGAACATC
430	440	450	460	470	480
AGAAGGCTGT	AGACAAATAC	TGGGACAGCT	ACAACCATCC	CTTCAGACAG	GATCAGAAGA
490	500	510	520	530	540
ACTTAGATCA	TTATATAATA	CAGTAGAAC	CCTCTATTGT	GTGCATCAAA	GGATAGAGAT
550	560	570	580	590	600
AAAAGACACC	AAGGAAGCTT	TAGACAAGAT	AGAGGAAGAG	AAAAACAAAA	GTAAGAAAAA
610	620	630	640	650	660
AGCACAGCAA	GCAGCAGCTG	ACACAGGACA	CAGCAGGCCAG	GTCAGCCAAA	ATTACCCTAT
670	680	690	700	710	720
AGTGCAGAAC	ATCCAGGGGC	AAATGGTACA	TCAGGCCATA	TCACCTAGAA	CTTTAAATGC
730	740	750	760	770	780
ATGGGTAAAA	GTAGTAGAAC	AGAAGGCTTT	CAGCCCAGAA	GTGATACCCA	TGTTTCAGC
790	800	810	820	830	840
ATTATCAGAA	GGAGCCACCC	CACAAGATT	AAACACCATG	CTAAACACAG	TGGGGGGACA
850	860	870	880	890	900
TCAAGCAGCC	ATGCAAATGT	TAAAAGAGAC	CATCAATGAG	GAAGCTGCAG	AATGGGATAG
910	920	930	940	950	960
AGTGCATCCA	GTGCATGCAG	GGCCTATTGC	ACCAGGCCAG	ATGAGAGAAC	CAAGGGAAAG
970	980	990	1000	1010	1020
TGACATAGCA	GGAACTACTA	GTACCCCTCA	GGAACAAATA	GGATGGATGA	CAAATAATCC
1030	1040	1050	1060	1070	1080
ACCTATCCCA	GTAGGAGAAA	TTTATAAAAG	ATGGATAATC	CTGGGATTAA	ATAAAATAGT
1090	1100	1110	1120	1130	1140

FIG. 19



Replacement Sheet

AAGAATGTAT	AGCCCTACCA	GCATTCTGGA	CATAAGACAA	GGACCAAAAG	AACCCTTTAG
1150	1160	1170	1180	1190	1200
AGACTATGTA	GACCGGTTCT	ATAAAACCTCT	AAGAGCCGAG	CAAGCTTCAC	AGGAGGTAAA
1210	1220	1230	1240	1250	1260
AAATTGGATG	ACAGAAACCT	TGTTGGTCCA	AAATGCGAAC	CCAGATTGTA	AGACTATTT
1270	1280	1290	1300	1310	1320
AAAAGCATTG	GGACCAGCAG	CTACACTAGA	AGAAATGATG	ACAGCATGTC	AGGGAGTGGG
1330	1340	1350	1360	1370	1380
AGGACCCGGC	CATAAGGCAA	GAGTTTGGC	TGAAGCAATG	AGCCAAGTAA	CAAATTCAAGC
1390	1400	1410	1420	1430	1440
TACCATAATG	ATGCAAAGAG	GCAATTAG	GAACCAAAGA	AAGATTGTTA	AGTGTTCAA
1450	1460	1470	1480	1490	1500
TTGTGGCAAA	GAAGGGCACA	TAGCCAGAAA	TTGCAGGGCC	CCTAGGAAAA	AGGGCTGTTG
1510	1520	1530	1540	1550	1560
GAAATGTGGA	AAGGAAGGAC	ACCAAATGAA	AGATTGTA	GAGAGACAGG	CTAATTTTT
1570	1580	1590	1600	1610	1620
AGGGAAAGATC	TGGCCTTCCT	ACAAGGGAAAG	GCCAGGGAAAT	TTCTTCAGA	GCAGACCAGA
1630	1640	1650	1660	1670	1680
GCCAACAGCC	CCACCAGAAG	AGAGCTTCAG	GTCTGGGTTA	GAGACAACAA	CTCCCTCTCA
1690	1700	1710	1720	1730	1740
GAAGCAGGAG	CCGATAGACA	AGGAACGTGTA	TCCTTTAAGT	TCCCTCAGAT	CACTCTTGG
1750	1760	1770	1780	1790	1800
CAACGACCCC	TCGTCACAAT	AAAGATAGGG	GGGCAACTAA	AGGAAGCTCT	ATTAGATACA
1810	1820	1830	1840	1850	1860
GGAGCAGATG	ATACAGTATT	AGAAGAAATG	AGTTGCCAG	GAAGATGGAA	ACCAAAATG
1870	1880	1890	1900	1910	1920
ATAGGGGAA	TTGGAGGTTT	TATCAAAGTA	AGACAGTATG	ATCAGATACT	CATAGAAATC
1930	1940	1950	1960	1970	1980
TGTGGACATA	AAGCTATAGG	TACAGTATTA	GTAGGACCTA	CACCTGTCAA	CATAATTGGA
1990	2000	2010	2020	2030	2040
AGAAATCTGT	TGACTCAGAT	TGGTTGCACT	TTAAATTTTC	CCATTAGTCC	TATTGAAACT
2050	2060	2070	2080	2090	2100
GTACCAAGTAA	AATTAAAGCC	AGGAATGGAT	GGCCCAAAAG	TTAAACAATG	GCCATTGACA
2110	2120	2130	2140	2150	2160
GAAGAAAAAA	TAAAAGCATT	AGTAGAAATT	TGTACAGAAA	TGGAAAAGGA	AGGGAAAATT
2170	2180	2190	2200	2210	2220
TCAAAAATTG	GGCCTGAAAA	TCCATACAAT	ACTCCAGTAT	TTGCCATAAA	GAAAAAAGAC
2230	2240	2250	2260	2270	2280
AGTACTAAAT	GGAGAAAATT	AGTAGATTC	AGAGAACTTA	ATAAGAGAAC	TCAAGACTTC
2290	2300	2310	2320	2330	2340
TGGGAAGTTC	AATTAGGAAT	ACCACATCCC	GCAGGGTTAA	AAAAGAAAAA	ATCAGTAACA
2350	2360	2370	2380	2390	2400

FIG. 20



Replacement Sheet

GTACTGGATG	TGGGTGATGC	ATATTTTCA	GTTCCCTTAG	ATGAAGACTT	CAGGAAGTAT
2410	2420	2430	2440	2450	2460
ACTGCATTTA	CCATACCTAG	TATAAACAAAT	GAGACACCAAG	GGATTAGATA	TCAGTACAAT
2470	2480	2490	2500	2510	2520
GTGCTTCCAC	AGGGATGGAA	AGGATCACCA	GCAATATTCC	AAAGTAGCAT	GACAAAATC
2530	2540	2550	2560	2570	2580
TTAGAGCCTT	TTAGAAAACA	AAATCCAGAC	ATAGTTATCT	ATCAATACAT	GGATGATTG
2590	2600	2610	2620	2630	2640
TATGTAGGAT	CTGACTTACA	AATAGGGCAG	CATAGAACAA	AAATAGAGGA	GCTGAGACAA
2650	2660	2670	2680	2690	2700
CATCTGTTGA	GGTGGGGACT	TACCACACCA	GACAAAAAAC	ATCAGAAAGA	ACCTCCATTC
2710	2720	2730	2740	2750	2760
CTTTGGATGG	GTTATGAACT	CCATCCTGAT	AAATGGACAG	TACAGCCTAT	AGTGCTGCCA
2770	2780	2790	2800	2810	2820
GAAAAAGACA	GCTGGACTGT	CAATGACATA	CAGAAGTTAG	TGGGAAAATT	GAATTGGGCA
2830	2840	2850	2860	2870	2880
AGTCAGATT	ACCCAGGGAT	TAAAGTAAGG	CAATTATGTA	AACTCCTTAG	AGGAACCAAA
2890	2900	2910	2920	2930	2940
GCACTAACAG	AAGTAATACC	ACTAACAGAA	GAAGCAGAGC	TAGAACTGGC	AGAAAACAGA
2950	2960	2970	2980	2990	3000
GAGATTCTAA	AAGAACCACT	ACATGGAGTG	TATTATGACC	CATCAAAAGA	CTTAATAGCA
3010	3020	3030	3040	3050	3060
GAAATACAGA	AGCAGGGGCA	AGGCCAATGG	ACATATCAA	TTTATCAAGA	GCCATTTAAA
3070	3080	3090	3100	3110	3120
AATCTGAAA	CAGGAAAATA	TGCAAGAACG	AGGGGTGCC	ACACTAATGA	TGTAAAACAA
3130	3140	3150	3160	3170	3180
TTAACAGAGG	CAGTGCAAAA	AATAACCACA	GAAAGCATAG	TAATATGGGG	AAAGACTCCT
3190	3200	3210	3220	3230	3240
AAATTAAAC	TACCCATACA	AAAGGAAACA	TGGGAAACAT	GGTGGACAGA	GTATTGGCAA
3250	3260	3270	3280	3290	3300
GCCACCTGGA	TTCCTGAGTG	GGAGTTGTC	AATACCCCTC	CTTGTAGTGAA	ATTATGGTAC
3310	3320	3330	3340	3350	3360
CAGTTAGAGA	AAGAACCCAT	AGTAGGAGCA	GAAACGTTCT	ATGTAGATGG	GGCAGCTAGC
3370	3380	3390	3400	3410	3420
AGGGAGACTA	AATTAGGAAA	AGCAGGATAT	GTTACTAATA	GAGGAAGACA	AAAAGTTGTC
3430	3440	3450	3460	3470	3480
ACCCTAACTG	ACACAAACAA	TCAGAAGACT	GAGTTACAAG	CAATTCACT	AGCTTGCAG
3490	3500	3510	3520	3530	3540
GATTGGGAT	TAGAAGTAA	TATAGTAACA	GACTCACAA	ATGCATTAGG	AATCATTCAA
3550	3560	3570	3580	3590	3600
GCACAAACCAG	ATAAAAGTGA	ATCAGAGTTA	GTCAATCAA	TAATAGAGCA	GTAAATAAAA
3610	3620	3630	3640	3650	3660

FIG. 21

Replacement Sheet



AAGCAAAAGG	TCTATCTGGC	ATGGGTACCA	GCACACAAAG	GAATTGGAGG	AAATGAACAA
3670	3680	3690	3700	3710	3720
GTAGATAAAAT	TAGTCAGTGC	TGGAATCAGG	AAAGTACTAT	TTTTAGATGG	AATAGATAAG
3730	3740	3750	3760	3770	3780
GCCCAAGATG	AACATGAGAA	ATATCACAGT	AATTGGAGAG	CAATGGCTAG	TGATTTAAC
3790	3800	3810	3820	3830	3840
CTGCCACCTG	TAGTAGCAAA	AGAAATAGTA	GCCAGCTGTG	ATAAAATGTCA	GCTAAAAGGA
3850	3860	3870	3880	3890	3900
GAAGCCATGC	ATGGACAAGT	AGACTGTAGT	CCAGGAATAT	GGCAACTAGA	TTGTACACAT
3910	3920	3930	3940	3950	3960
TTAGAAGGAA	AAGTTATCCT	GGTAGCAGTT	CATGTAGCCA	GTGGATATAT	AGAAGCAGAA
3970	3980	3990	4000	4010	4020
GTTATTCCAG	CAGAACACAGG	GCAGGAAACA	GCATACTTTC	TTTAAAATT	AGCAGGAAGA
4030	4040	4050	4060	4070	4080
TGGCCAGTAA	AAACAATACA	TACAGACAAT	GGCAGCAATT	TCACCAAGTAC	TACGGTTAAC
4090	4100	4110	4120	4130	4140
GCCGCCTGTT	GGTGGGGCGGG	AATCAAGCAG	GAATTTGGAA	TTCCCTACAA	TCCCCAAAGT
4150	4160	4170	4180	4190	4200
CAAGGAGTAG	TAGAATCTAT	GAATAAAGAA	TTAAAGAAAA	TTATAGGCCA	GGTAAGAGAT
4210	4220	4230	4240	4250	4260
CAGGGCTGAAC	ATCTTAAGAC	AGCACTACAA	ATGGCAGTAT	TCATCCACAA	TTTAAAAGA
4270	4280	4290	4300	4310	4320
AAAGGGGGGA	TTGGGGGTA	CAGTGCAGGG	GAAAGAATAG	TAGACATAAT	AGCAACAGAC
4330	4340	4350	4360	4370	4380
ATACAAACTA	AAGAATTACA	AAAACAAATT	ACAAAAATTTC	AAAATTTTCG	GGTTTATTAC
4390	4400	4410	4420	4430	4440
AGGGACAGCA	GAGATCCACT	TTGGAAAGGA	CCAGCAAAGC	TCCTCTGGAA	AGGTGAAGGG
4450	4460	4470	4480	4490	4500
GCAGTAGTAA	TACAAGATAA	TAGTGACATA	AAAGTAGTGC	CAAGAAGAAA	AGCAAAGATC
4510	4520	4530	4540	4550	4560
ATTAGGGATT	ATGGAAAACA	GATGGCAGGT	GATGATTGTG	TGGCAAGTAG	ACAGGATGAG
4570	4580	4590	4600	4610	4620
GATTAGAACAA	TGGAAAAGTT	TAGTAAAACA	CCATATGTAT	GTTCAGGGAA	AAGCTAGGGG
4630	4640	4650	4660	4670	4680
ATGGTTTAT	AGACATCACT	ATGAAAGCCC	TCATCCAAGA	ATAAGTTCA	AAGTACACAT
4690	4700	4710	4720	4730	4740
CCCACTAGGG	GATGCTAGAT	TGGTAATAAC	AACATATTGG	GGTCTGCATA	CAGGAGAAAG
4750	4760	4770	4780	4790	4800
AGACTGGCAT	CTGGGTCAGG	GAGTCTCCAT	AGAATGGAGG	AAAAAGAGAT	ATAGCACACAA
4810	4820	4830	4840	4850	4860
AGTAGACCCT	GAACTAGCAG	ACCAACTAAT	TCATCTGTAT	TACTTTGACT	GTTTTCAGA
4870	4880	4890	4900	4910	4920

FIG. 22



Replacement Sheet

CTCTGCTATA	AGAAAGGCCT	TATAGGACA	TATAGTTAGC	CCTAGGTGTG	AATATCAAGC
4930	4940	4950	4960	2970	2980
AGGACATAAC	AAGGTAGGAT	CTCTACAATA	CTTGGCACTA	GCAGCATTAA	TAACACCAAA
4990	5000	5010	5020	5030	5040
AAAGATAAAG	CCACCTTGC	CTAGTGTAC	GAAACTGACA	GAGGATAGAT	GGAACAAGCC
5050	5060	5070	5080	5090	5100
CCAGAAGACC	AAGGGCCACA	GAGGGAGCCA	CACAATGAAT	GGACACTAGA	GCTTTAGAG
5110	5120	5130	5140	5150	5160
GAGCTTAAGA	ATGAAGCTGT	TAGACATTTT	CCTAGGATT	GGCTCCATGG	CTTAGGGCAA
5170	5180	5190	5200	5210	5220
CATATCTATG	AAACTTATGG	GGATACTTGG	GCAGGAGTGG	AAGCCATAAT	AAGAATTCTG
5230	5240	5250	5260	5270	5280
CAACAACCTGC	TGTTTATCCA	TTTCAGAATT	GGGTGTCGAC	ATAGCAGAAT	AGGCAGTTACT
5290	5300	5310	5320	5330	5340
CAACAGAGGA	GAGCAAGAAA	TGGAGCCAGT	AGATCCTAGA	CTAGAGCCCT	GGAAGCAGTCC
5350	5360	5370	5380	5390	5400
AGGAAGTCAG	CCTAAAATG	CTTGTACCAAC	TTGCTATTGT	AAAAAGTGT	GCTTCATTG
5410	5420	5430	5440	5450	5460
CCAAGTTTGT	TTCACAACAA	AAGCCTTAGG	CATCTCCTAT	GGCAGGAAGA	AGCGGAGACA
5470	5480	5490	5500	5510	5520
GCGACGAAGA	CCTCCTCAAG	GCAGTCAGAC	TCATCAAGTT	TCTCTATCAA	AGCAGTAAGT
5530	5540	5550	5560	5570	5580
AGTACATGTA	ATGCAACCTA	TACAAATAGC	AATAGCAGCA	TTAGTAGTAG	CAATAATAAT
5590	5600	5610	5620	5630	5640
AGCAATAGTT	GTGTGGTCCA	TAGTAATCAT	AGAATATAGG	AAAATATTAA	GACAAAGAAA
5650	5660	5670	5680	5690	5700
AATAGACAGG	TTAATTGATA	GACTAATAGA	AAGAGCAGAA	GACAGTGGCA	ATGAGAGTGA
5710	5720	5730	5740	5750	5760
AGGAGAAATA	TCAGCACTTG	TGGAGATGGG	GGTGGAAATG	GGGCACCATG	CTCCTTGGGA
5770	5780	5790	5800	5810	5820
TATTGATGAT	CTGTAGTGCT	ACAGAAAAAT	TGTGGGTAC	AGTCTATTAT	GGGGTACCTG
5830	5840	5850	5860	5870	5880
TGTGGAAGGA	AGCAACCACC	ACTCTATTTT	GTGCATCAGA	TGCTAAAGCA	TATGATACAG
5890	5900	5910	5920	5930	5940
AGGTACATAA	TGTTTGGGCC	ACACATGCCT	GTGTACCCAC	AGACCCCAAC	CCACAAGAAG
5950	5960	5970	5980	5990	6000
TAGTATTGGT	AAATGTGACA	GAAAATTAA	ACATGTGGAA	AAATGACATG	GTAGAACAGA
6010	6020	6030	6040	6050	6060
TGCATGAGGA	TATAATCAGT	TTATGGGATC	AAAGCCTAAA	GCCATGTGTA	AAATTAACCC
6070	6080	6090	6100	6110	6120
CACTCTGTGT	TAGTTAAAG	TGCAGTGATT	TGGGAAATGC	TACTAATACC	AATAGTAGTA
6130	6140	6150	6160	6170	6180



Replacement Sheet

ATACCAATAG	TAGTAGCGGG	GAAATGATGA	TGGAGAAAGG	AGAGATAAAA	AACTGCTCTT
6190	6200	6210	6220	6230	6240
TCAATATCAG	CACAAGCATA	AGAGGTAAGG	TGCAGAAAGA	ATATGCATT	TTTTATAAAC
6250	6260	6270	6280	6290	6300
TTGATATAAT	ACCAATAGAT	AATGATACTA	CCAGCTATAC	GTTGACAAGT	TGTAACACCT
6310	6320	6330	6340	6350	6360
CAGTCATTAC	ACAGGCCTGT	CCAAAGGTAT	CCTTGAGCC	AATTCCCATA	CATTATTGTG
6370	6380	6390	6400	6410	6420
CCCCGGCTGG	TTTTGGGATT	CTAAAATGTA	ATAATAAGAC	GTTCAATGGA	ACAGGACCAT
6430	6440	6450	6460	6470	6480
GTACAAATGT	CAGCACAGTA	CAATGTACAC	ATGGAATTAG	GCCAGTAGTA	TCAACTCAAC
6490	6500	6510	6520	6530	6540
TGCTGTTGAA	TGGCAGTCTA	GCAGAAGAAG	AGGTAGTAAT	TAGATCTGCC	AATTTCACAG
6550	6560	6570	6580	6590	6600
ACAATGCTAA	AACCATAATA	GTACAGCTGA	ACCAATCTGT	AGAAAATTAAT	TGTACAAGAC
6610	6620	6630	6640	6650	6660
CCAACAAACAA	TACAAGAAAA	AGTATCCGTA	TCCAGAGGGG	ACCAGGGAGA	GCATTTGTTA
6670	6680	6690	6700	6710	6720
CAATAGGAAA	AATAGGAAAT	ATGAGACAAG	CACATTGTA	CATTAGTAGA	GCAAAATGGA
6730	6740	6750	6760	6770	6780
ATGCCACTTT	AAAACAGATA	GCTAGCAAAT	TAAGAGAAC	ATTGGAAAT	AATAAAACAA
6790	6800	6810	6820	6830	6840
TAATCTTAA	GCAATCCTCA	GGAGGGGACC	CAGAAATTGT	AACGCACAGT	TTTAATTGTG
6850	6860	6870	6880	6890	6900
GAGGGGAATT	TTTCTACTGT	AATTCAACAC	AACTGTTAA	TAGTACTTGG	TTTAATAGTA
6910	6920	6930	6940	6950	6960
CTTGGAGTAC	TGAAGGGTCA	AATAACACTG	AAGGAAGTGA	CACAATCACA	CTCCCATGCA
6970	6980	6990	7000	7010	7020
GAATAAAACA	ATTTATAAAC	ATGTGGCAGG	AAGTAGGAAA	AGCAATGTAT	GCCCCCTCCCA
7030	7040	7050	7060	7070	7080
TCAGCGGACA	AATTAGATGT	TCATCAAATA	TTACAGGGCT	GCTATTAACA	AGAGATGGTG
7090	7100	7110	7120	7130	7140
GTAATAACAA	CAATGGGTCC	GAGATCTTCA	GACCTGGAGG	AGGAGATATG	AGGGACAATT
7150	7160	7170	7180	7190	7200
GGAGAAAGTGA	ATTATATAAA	TATAAAGTAG	TAAAAATTGA	ACCATTAGGA	GTAGCACCCCA
7210	7220	7230	7240	7250	7260
CCAAGGCAAA	GAGAAGAGTG	GTGCAGAGAG	AAAAAAAGAGC	AGTGGGAATA	GGAGCTTGT
7270	7280	7290	7300	7310	7320
TCCTTGGGTT	CTTGGGAGCA	GCAGGAAGCA	CTATGGCGC	ACGGTCAATG	ACGCTGACGG
7390	7340	7350	7360	7370	7380
TACAGGCCAG	ACAATTATTG	TCTGGTATAG	TGCAGCAGCA	GAACAATTG	CTGAGGGCTA
7390	7400	7410	7420	7430	7440

FIG. 24



Replacement Sheet

TTGAGGCGCA	ACAGCATCTG	TTGCAACTCA	CAGTCTGGGG	CATCAAGCAG	CTCCAGGCAA
7450	7460	7470	7480	7490	7500
GAATCCTGGC	TGTGGAAAGA	TACCTAAAGG	ATCAACAGCT	CCTGGGGATT	TGGGGTTGCT
7510	7520	7530	7540	7550	7560
CTGGAAAAT	CATTTGCACC	ACTGCTGTGC	CTTGGAAATGC	TAGTTGGAGT	AATAAATCTC
7570	7580	7590	7600	7610	7620
TGGAACAGAT	TTGGAATAAC	ATGACCTGGA	TGGAGTGGGA	CAGAGAAATT	AACAATTACA
7630	7640	7650	7660	7670	7680
CAAGCTTAAT	ACATTCTTA	ATTGAAGAAT	CGCAAAACCA	GCAAGAAAAG	AATGAACAAAG
7690	7700	7710	7720	7730	7740
AATTATTGGA	ATTAGATAAA	TGGGCAAGTT	TGTGGAAATTG	GTTAACATA	ACAAATTGGC
7750	7760	7770	7780	7790	7800
TGTGGTATAT	AAAAATATTC	ATAATGATAG	TAGGAGGCTT	GCTAGGTTA	AGAATAGTTT
7810	7800	7810	7820	7830	7840
TTGCTGTACT	TTCTATAGTG	AATAGAGTTA	GGCAGGGATA	TTCACCATT	TCGTTTCAGA
7870	7880	7890	7900	7910	7920
CCCACCTCCC	AACCCCGAGG	GGACCCGACA	GGCCCGAAGG	AATAGAAGAA	GAAGGTGGAG
7930	7940	7950	7960	7970	7980
AGAGAGACAG	AGACAGATCC	ATTCGATTAG	TGAACGGATC	CTTAGCACTT	ATCTGGGACG
7990	8000	8010	8020	8030	8040
ATCTGCGGAG	CCTTGTGCCT	CTTCAGCTAC	CACCGCTTGA	GAGACTTACT	CTTGATTGTA
8050	8060	8070	8080	8090	8100
ACGAGGATTG	TGGAACTTCT	GGGACGCAGG	GGGTGGGAAG	CCCTCAAATA	TTGGTGGAAAT
8110	8120	8130	8140	8150	8160
CTCCTACAGT	ATTGGAGTCA	GGAACTAAAG	AATAGTGCTG	TTAGCTTGCT	CAATGCCACA
8170	8180	8190	8200	8210	8220
GCCATAGCAG	TAGCTGAGGG	GACAGATAGG	GTTATAGAAG	TAGTACAAGG	AGCTTGTAGA
8230	8240	8250	8260	8270	8280
GCTATTGCC	ACATACCTAG	AAGAATAAGA	CAGGGCTTGG	AAAGGATTTT	GCTATAAGAT
8290	8300	8310	8320	8330	8340
GGGTGGCAAG	TGGTCAAAAA	GTAGTGTGGT	TGGATGGCCT	ACTGTAAGGG	AAAGAATGAG
8350	8360	8370	8380	8390	8400
ACGAGCTGAG	CCAGCAGCAG	ATGGGGTGGG	AGCAGCATCT	CGAGACCTGG	AAAAACATGG
8410	8420	8430	8440	8450	8460
AGCAATCACA	AGTAGCAATA	CAGCAGCTAC	CAATGCTGCT	TGTGCCTGGC	TAGAAGCACA
8470	8480	8490	8500	8510	8520
AGAGGAGGAG	GAGGTGGTT	TTCCAGTCAC	ACCTCAGGTA	CCTTTAAGAC	CAATGACTTA
8530	8540	8550	8560	8570	8580
CAAGGCAGCT	GTAGATCTTA	GCCACTTTT	AAAAGAAAAG	GGGGGACTGG	AAGGGCTAAT
8590	8600	8610	8620	8630	8640
TCACTCCCAA	CGAAGACAAG	ATATCCTTGA	TCTGTGGATC	TACCACACAC	AAGGCTACTT
8650	8660	8670	8680	8690	8700

FIG. 25



Replacement Sheet

CCCTGATTGG CAGAACTACA CACCAGGGCC AGGGGTAGA TATCCACTGA CCTTTGGATG
8710 8720 8730 8740 8750 8760
GTGCTACAAG CTAGTACCAAG TTGAGCCAGA TAAGGTAGAA GAGGCCAATA AAGGAGAGAA
8770 8780 8790 8800 8810 8820
CACCAGCTTG TTACACCCCTG TGAGCCTGCA TGGAATGGAT GACCCCTGAGA GAGAAGTGT
8830 8840 8850 8860 8870 8880
AGAGTGGAGG TTTGACAGCC GCCTAGCATT TCATCACGTG GCCCGAGAGC TGCACTCCGA
8890 8900 8910 8920 8930 8940
GTACTTCAAG AACTGCTGAC ATCGAGCTTG CTACAAGGGA CTTTCCGCTG GGGACTTTCC
8950 8960 8970 8980 8990 9000
AGGGAGGCCTT GGCCTGGCG GAACTGGGGA GTGGCGAGCC CTCAGATGCT GCATATAAGC
9010 9020 9030 9040 9050 9060
AGCTGCTTTT TGCCTGTACT GGGTCTCTCT GTTTAGACCA GATTGAGCC TGGGAGCTCT
9070 9080 9090 9100 9110 9120
CTGGCTAACT AGGAAACCCA CTGCTTAAGC CTCATAAAAG CTT

FIG. 26